Proposal Full View

Print

Applicant Information

Organization Name	City of Upland *
Tax ID	**956000805**
Proposal Name	The Evaluation of Potential Uses of Recycled Water for Groundwater Recharge and Conjuctive Use Opportunities *
Proposal Objective	-Identify regulatory requirements and steps to recharge recycled water at Upland Basin. -Evaluate facilities required to deliver recycled water to the Upland Basin -Evaluate potential or future recycled recycled water uses, either within or outside Upland, which may be served as outcomes of facilities expansion. - Evaluate/review qualities of storm water, recycled water, untreated imported water, and hydro-geological data of the Upland Basin. -Identify the operating plan to meet regulatory requirements that provide the most recharge benefit in groundwater quality and quantity, given the sources of water available for recharge as recycled water, storm water and imported water. -Model/evaluate impacts to the Chino Basin's groundwater, short-term and long term, due to recycled water recharge. - Assess impacts to down gradient existing supply wells due to recycled water recharge. -Evaluate operational costs and staffing requirement for recharge operation. -Identify probable and equitable benefits to the city resulting from the volume of recharge to the Upland Basin and the Chino Basin groundwater. *

Budget

Other Contribution	$0.00
Local Contribution	$27,000.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$250,000.00 *
Total Project Cost	$277,000.00 *

Geographic Information

Latitude *	DD(+/-)	34	MM	5	SS	52
Longitude *	DD(+/-)	117	MM	41	SS	42

Longitude/Latitude Clarification		Location	Upland Basin
County		San Bernardino *	
Ground Water Basin		Upper Santa Ana Valley-Chino	
Hydrologic Region		South Coast	
Watershed	Santa Ana River		

Legislative Information

Assembly District	63rd Assembly District *
Senate District	32nd Senate District *
US Congressional District	District 26 (CA) *

Project Information

Project Name: Evaluation of Potential Uses of Recycled Water for Grou

Implementing Organization	City of Upland
Secondary Implementing Organization	
Proposed Start Date	4/19/2013
Proposed End Date	1/30/2015
Project Scope	Study challenges pertaining to recharge recycled water (RW), impact to down gradient wells, and extension of RW system.
Project Description	The City is situated mostly in the Chino Groundwater Basin and uses groundwater as its main supply (70%). Managing groundwater supplies and increasing local water availability are among the City's utmost priorities. The City constructed the Upland Basin, designed for a 100-year storm (volume capacity of approximately 1,200 acre-feet), and recently completed the construction of the 24-inch recycled water laterals for conveyance and future use recycled water. The City is now at a strategic juncture where a feasibility study is needed to analyze the extension of the recycled water system, recharge of recycled water at the Upland Basin, both in technical and regulatory issues, and potential impacts to down gradient groundwater purveyors in the Chino Groundwater Basin.
Project Objective	1)Identify requirements to recharge recycled water; 2) Evaluate facilities required to deliver recycled water; 3)Evaluate potential or future recycled water uses and facilities expansion; 4)Evaluate qualities of storm water, recycled water, untreated imported water, and hydro-geological data; 5)Identify the operating plan to meet regulatory requirements; 6)Model/evaluate impacts to the Chino Basin groundwater; 7)Assess impacts to down gradient wells; 8)Evaluate costs and benefits.

Project Benefits Information

Project Benefit	Benefit Type	Measurement	Description

Type			
Primary	Other-Groundwater Studies	0	Water Management and Increased Water Supply

Project Objective

Budget

Other Contribution	0
Local Contribution	27000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	277000

Geographic Information

Latitude DD(+/-)	34	MM	5	SS	52
Longitude DD(+/-)	117	MM	41	SS	42
Longitude/Latitude Clarification		Location	Upland Basin		

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Chino Hydrologic Region South Coast WaterShed Santa Ana River

Legislative Information

Assembly District	63rd Assembly District
Senate District	32nd Senate District
US Congressional District	District 26 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

City of Upland 460 N. Euclid Avenue Upland, CA 91786

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The City is now at a strategic juncture where a feasibility study is needed to identify opportunities and

challenges pertaining to recharge of recycled water at the Upland Basin, to analyze the extension of the recycled water system and to study potential impacts to down gradient groundwater purveyors in the Chino Groundwater Basin. Specifically, the study objectives are listed below. Feasibility Study Scope and Objectives 1)Identify regulatory requirements and steps to recharge recycled water at Upland Basin 2)Evaluate facilities required to deliver recycled water to the Upland Basin 3)Evaluate potential or future recycled water uses, either within or outside Upland, which may be served as outcomes of facilities expansion 4)Evaluate/review qualities of storm water, recycled water, untreated imported water, and hydro-geological data of the Upland Basin 5) Identify the operating plan to meet regulatory requirements that provide the most recharge benefit in groundwater quality and quantity, given the sources of water available for recharge as recycled water, storm water and imported water 6)Model/evaluate impacts to the Chino Basin?s groundwater, short-tem and long-term, due to recycled water recharge 7)Assess impacts to down gradient existing supply wells due to recycled water recharge 8)Evaluate operational costs and staffing requirement for recharge operation 9)Identify probable and equitable benefits to the City resulting from the volume of recharge to the Upland Basin and the Chino Basin groundwater

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Project Director: Rosemary Hoerning, P.E./P.L.S., Director of Public Works, Tel. 909-291-2931 E-mail: rhoerning@ci.upland.ca.us

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Project Manager: Saul Martinez,Associate Engineer Tel 909-291-2941 E-mail: smartinez@ci.upland.ca.us

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

1) ☐ Northern Region
2) ☐ North Central Region
3) ☐ South Central Region
4) ☑ Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

The majority of the City of Upland (City) is geographically situated in the Chino groundwater basin (Chino Basin), adjudicated by the San Bernardino County Superior Court in 1978 (Chino Basin Municipal Water District vs. City of Chino et al January 27, 1978, case 164327) and administered by the Chino Basin Watermaster (CBWM), a Court-appointed quasi-judicial entity to monitor the Chino Basin?s activities and to provide progress reports to the Court. The Chino Basin is by far the largest in the region, covering approximately 220 square miles and providing an important water source for the growing Inland Empire. The City, as well as neighboring cities or stakeholders, is a member of CBWM through which the City manages and

draws its share of the Chino Basin groundwater supply.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

Support Letters: from Chino Basin Watermaster and Chino Basin Water Conservation District (submitted as parts of Attachment 4). Majority of the City of Upland (City) is geographically situated in the Chino groundwater basin (Chino Basin), adjudicated by the San Bernardino County Superior Court in 1978 (Chino Basin Municipal Water District vs. City of Chino et al January 27, 1978, case 164327) and administered by the Chino Basin Watermaster (CBWM), a Court-appointed quasi-judicial entity to monitor the Chino Basin?s activities and to provide progress reports to the Court. The Chino Basin is by far the largest in the region, covering approximately 220 square miles and providing an important water source for the growing Inland Empire. The City, as well as neighboring cities or stakeholders, is a member of CBWM through which the City manages and draws its share of the Chino Basin groundwater supply. Mandated by the Court, CBWM developed and implemented the comprehensive Optimum Basin Management Plan (OBMP), which serves as the Chino Basin management roadmap. It has 9 extensive programs aimed to secure new and additional supply, improve water quality, drought-proof the region, enhance economic development, and increase basin yield. These programs are: 1- Comprehensive Monitoring Program 2- Comprehensive Recharge Program 3- Water Supply Plan for Impaired Areas of the Basin 4- Comprehensive Groundwater Management Plan for Management Zone 1 & 3 5- Regional Supplemental Water Program 6- Cooperative Programs with Regional Board & Others to Improve Basin Management 7- Salt Management Program 8- Groundwater Storage Management Program 9- Storage and Recovery Program In addition to the OBMP, in cooperation with the City and other basin parties, CBWM has developed a recharge master plan and identified recycled water as an important local supply source, especially for groundwater recharge. Maximizing the beneficial use of recycled water was given a high priority to achieve the above OBMP objectives. The City recognizes the importance of maintaining the Chino Basin aquifer more than ever before because imported water is decreasing and increasing in cost. The City?s elected officials and staff recognize that in order to maintain quality water at an affordable price for residents the City must look for additional sources of local water supply, such as recycled water. For that reason, the City has spent millions of dollars constructing the Upland Basin as well as the local recycled water laterals, hoping to use recycled water as a source to recharge the Chino Basin aquifer through the City?s Upland Basin. Additional Recycled Water facilities are necessary to implement this recharge objective. It is essential to perform a full study to understand what is required and the viability of this goal. Obtaining the LGA grant to finance the study is instrumental.

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no “Other Contributions” Please answer this question with, “No Other Contributions”.

The City proposes to contribute $27,000 to the study cost, to be done through staff time as in-kind services.

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

City of Upland 909-291-2931 Contact Person: Rosemary Hoerning, P.E./L.S. E-mail: rhoerning@ci.upland.ca.us

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

Yes

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1_LGA12_UWA_AuthDoc_1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2_LGA12_UWA_EligDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3_LGA12_UWA_GWMP_1of1.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att4_LGA12_UWA_ProjD_1of3.pdf,Att4_LGA12_UWA_ProjD_2of3.pdf,Att4_LGA12_UWA_ProjD_3of3.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att5_LGA12_UWA_WrkPln_1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att6_LGA12_UWA_BUDGET_1of1.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att7_LGA12_UWA_SCHED_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att8_LGA12_UWA_QA_1of1.pdf

Attachemnt 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att9_LGA12_UWA_PERFORM_1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att10_LGA12_UWA_1420_1of1.pdf